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Terms	Documents
6473760.pn.	2

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US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

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Search History

DATE: Monday, February 10, 2003   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L34	6473760.pn.	2	L34
L33	6466326.pn.	2	L33
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L18	5793964.pn.	2	L18
L17	5778367.pn.	2	L17
L16	5758327.pn.	2	L16
L15	5748484.pn.	2	L15
L14	5709374.pn.	2	L14
L13	5579447.pn.	2	L13
L12	5561604.pn.	2	L12
L11	5552994.pn.	2	L11
L10	5547178.pn.	2	L10
L9	5467434.pn.	2	L9
L8	5343556.pn.	2	L8
L7	5056029.pn.	2	L7
L6	5036472.pn.	2	L6
L5	4873643.pn.	2	L5
L4	4839829.pn.	2	L4
L3	4817043.pn.	2	L3
L2	5844554.pn.	2	L2
L1	5563999.pn.	2	L1

END OF SEARCH HISTORY

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L2: Entry 1 of 2   File: USPT   Dec 1, 1998

US-PAT-NO: 5844554
DOCUMENT-IDENTIFIER: US 5844554 A

TITLE: Methods and systems for user interfaces and constraint handling configurations software

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Geller; Scott D.	Atlanta	GA		
Heyda; Michael S.	Duluth	GA		
Nees; Robert	Canton	GA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
BT Squared Technologies, Inc.	Atlanta	GA			02

APPL-NO: 08/ 718645   [PALM]
DATE FILED: September 17, 1996

INT-CL: [06] G06 F 15/00

US-CL-ISSUED: 345/333; 345/335, 345/347, 345/962, 345/967
US-CL-CURRENT: 345/744; 345/808, 345/866, 345/962, 345/967

FIELD-OF-SEARCH: 345/326, 345/333, 345/339, 345/342, 345/343, 345/347, 345/964, 345/968, 345/970, 345/335, 345/348, 345/962, 345/965, 705/1-4, 705/26, 705/29

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4591983	May 1986	Bennett et al.	395/65
☐	4688195	August 1987	Thompson et al.	395/12
☐	4920499	April 1990	Skeirik	395/12
☐	4992940	February 1991	Dworkin	705/26
☐	5032989	July 1991	Tornetta	705/1
☐	5212634	May 1993	Washizaki et al.	364/400
☐	5228116	July 1993	Harris et al.	395/54
☐	5260866	November 1993	Lisinki et al.	705/29
☐	5267146	November 1993	Shimizu et al.	364/512
☐	5307260	April 1994	Watanabe et al.	395/500
☐	5307261	April 1994	Maki et al.	705/29
☐	5311424	May 1994	Mukherjee et al.	705/29
☐	5367627	November 1994	Johnson	345/357
☐	5369732	November 1994	Lynch et al.	395/51
☐	5446653	August 1995	Miller et al.	705/4
☐	5471596	November 1995	Brown, III	707/103
☐	5493490	February 1996	Johnson	705/26
☐	5515524	May 1996	Lynch et al.	395/500
☐	5523942	June 1996	Tyler et al.	705/4

OTHER PUBLICATIONS

The advertising brochure "Trilogy PriceBuilder", Trilogy Development, Inc. The date
of availability of this brochure and of the described item is not known, but is
believed to be more than one year before the filing date of the present application.
The advertising brochure "SC Config", Trilogy Development, Inc. The date of
availability of this brochure and of the described item is not known, but is
believed to be more than one year before the filing date of the present application.

The advertising brochure "sellingPoint.TM.", Concentra Corporation, Burlington, MA.
Except for the copyright notice date of 1995 printed on the brochure, the date of
availability of this brochure and of the described item is not known.
The advertising brochure "SalesLogic.TM.", OBJIX Systems Development, Inc. Except
for the copyright notice date of 1996 printed on the brochure, the date of
availability of this brochure and of the described item is not known.
The advertising brochure "CLASSYS", Antalys. The date of availability of this
brochure and of the described item is not known.
A CD-ROM identified as "Calico Demos", Calico Technology, Inc., San Jose,
California. The date of availability of Calico Technology's configurator software is
not known, but is believed to be more than one year before the filing date of the
present application.

ART-UNIT: 273

PRIMARY-EXAMINER: Ba; Huynh

ABSTRACT:

A computer implemented method of generating a user product configuration program
module from a development environment. The user product configuration program module
includes user controls that allow user input of information for use in configuration
computations. Methods are disclosed for creating and maintaining the logic for a
configuration program module in the form of configuration parameters; creating and
maintaining the visual controls and user interface; and linking created visual
controls with underlying structure represented by the parameters. Parameters assume
values and are indicated as valid or invalid through operation of constraints and
queries. Further methods include display of parameter creation and selection
windows, and query creation and selection windows for creating SQL queries to access
data in external tables. Parameters, queries, and constraints can be displayed in

expandable and collapsible h⬤archies, and quickly utilized ⬤formulas, queries, and logical expressions by clicking in an expanded hierarchical display. Dependencies occurring in the underlying configuration logic are evaluated in both the forward and reverse direction so as to provide for very fast execution of the resultant configuration program module when a user provides new data via a user control.

47 Claims, 50 Drawing figures

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L3: Entry 1 of 2   File: USPT   Mar 28, 1989

US-PAT-NO: 4817043
DOCUMENT-IDENTIFIER: US 4817043 A

TITLE: Information kiosk

DATE-ISSUED: March 28, 1989

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Johnny M.	Coralville	IA	52241	

APPL-NO: 07/ 213026   [PALM]
DATE FILED: June 28, 1988

INT-CL: [04] G06F 15/66

US-CL-ISSUED: 364/518; 346/154
US-CL-CURRENT: 345/810; 347/900, 358/1.12, 358/1.6

FIELD-OF-SEARCH: 364/518-523, 358/300-302, 358/345, 358/347, 358/903, 346/160, 346/17R, 346/108, 346/154, 340/795-796, 340/809, 340/716

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	3637934	June 1972	Brewstor	358/301
☐	4745560	May 1988	Pecker et al.	364/519
☐	4764880	August 1988	Pearl	364/519

ART-UNIT: 211

PRIMARY-EXAMINER: Evans; Arthur G.

ABSTRACT:

An information kiosk is disclosed which provides interactive operation with an unfamiliar user. A video display provides instructions and solicited information to the user who enters choices on a keypad input device. The kiosk provides printed information which the user may carry away from the kiosk. Graphic as well as textual information is dispensed by the kiosk.

20 Claims, 4 Drawing figures

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☐ | Generate Collection | | Print |

L4: Entry 1 of 2   File: USPT   Jun 13, 1989

US-PAT-NO: 4839829
DOCUMENT-IDENTIFIER: US 4839829 A

TITLE: Automated printing control system

DATE-ISSUED: June 13, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Freedman; Henry B.	Lake Harmony	PA	18624	

APPL-NO: 06/ 927886   [PALM]
DATE FILED: November 5, 1986

INT-CL: [04] G06F 15/46

US-CL-ISSUED: 364/519; 101/248, 364/518
US-CL-CURRENT: 345/751; 101/248, 345/853, 345/961, 358/1.1, 358/1.15, 379/100.04, 379/93.17, 710/15, 715/527

FIELD-OF-SEARCH: 364/518-521, 364/469, 364/470, 364/471, 101/248

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	●	PATENTEE-NAME	●	US-CL
☐	T918004	January 1974		Chappell et al		364/300
☐	3581072	May 1971		Nymeyer		364/300
☐	3703006	November 1972		Sharma		364/300
☐	3905045	September 1975		Nickel		364/300
☐	3930251	December 1975		Salava et al.		364/523
☐	3988570	October 1976		Murphy et al.		235/382
☐	4007362	February 1977		Sindermann		364/518
☐	4017831	April 1977		Tieden et al.		348/825.72
☐	4231096	October 1980		Hansen et al.		364/523
☐	4400783	August 1983		Locke, Jr. et al.		364/483
☐	4433426	February 1984		Forster et al.		377/2
☐	4449186	May 1984		Kelly et al.		364/407
☐	4468750	August 1984		Chamoff et al.		364/900
☐	4475156	October 1984		Federico et al.		364/300
☐	4484522	November 1984		Simeth		101/248
☐	4495582	January 1985		Dessert et al.		364/469
☐	4578768	March 1986		Racine		364/560
☐	4584648	April 1986		Dlugos		364/464
☐	4601003	July 1986		Yoneyama et al.		364/518

ART-UNIT: 231

PRIMARY-EXAMINER: Harkcom; Gary V.

ASSISTANT-EXAMINER: Herndon; H. R.

ABSTRACT:

A system for automated control of the printing of a work comprises a first terminal
adapted for use by a printing requester for receiving from the requester a
informaton concerning parameters for the printing of the work. A second terminal is
adapted for use by a printing facility for receiving from the printing facility
pricing and administrative information concerning the printing of a work. A
programmed computer having a memory and input/output means is provided in
communication with the first and second terminals. The computer interacts with the
printing requester through the first terminal for receiving and storing the printing
parameter information. The computer interacts with the printing facility for
receiving and storing pricing and administrative information concerning the printing
of the work. The pricing and administrative information is transmitted to the first
terminal for use by the printing requester.

64 Claims, 6 Drawing figures

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L5: Entry 1 of 2   File: USPT   Oct 10, 1989

US-PAT-NO: 4873643
DOCUMENT-IDENTIFIER: US 4873643 A

TITLE: Interactive design terminal for custom imprinted articles

DATE-ISSUED: October 10, 1989

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Powell; Kenneth A.	Ann Arbor	MI		
Crawford; Andrew S.	Ann Arbor	MI	48103	

ASSIGNEE-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Crawford; Andrew S.	Ann Arbor	MI			04

APPL-NO: 07/ 111412   [PALM]
DATE FILED: October 22, 1987

INT-CL: [04] G06F 15/46

US-CL-ISSUED: 364/468; 364/188, 364/192, 364/470, 364/521
US-CL-CURRENT: 700/103; 345/632, 700/132, 700/87

FIELD-OF-SEARCH: 364/468, 364/470, 364/474.24, 364/188, 364/189, 364/191-193,
364/514, 364/518, 364/519, 364/521, 364/513, 364/9MSFile, 340/723, 340/724

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4275449	June 1981	Aish	364/900 X
☐	4546434	October 1985	Gioello	364/192 X
☐	4598376	July 1986	Burton et al.	364/192 X
☐	4700317	October 1987	Watanabe et al.	364/512 X
☐	4700318	October 1987	Ockman	364/188 X
☐	4736306	April 1988	Christensen et al.	364/191 X

ART-UNIT: 236

PRIMARY-EXAMINER: Ruggiero; Joseph

ABSTRACT:

The present invention is an interactive design terminal for custom imprinted
articles. A memory stores a plurality of print design elements and a set of design
rules for combination of the design elements in accordance with selections made by

an operator. The interactive design terminal presents an ordered sequence of print design choices to the operator via a video display and perferably stores the results of the operator selections. The interactive design terminal provides a display of the operator selections, preferably in a graphics display of a depiction of the resulting imprinted article, and detects conflicts between operator selections.

18 Claims, 16 Drawing figures

WEST

☐ | Generate Collection | | Print |

L6: Entry 1 of 2   File: USPT   Jul 30, 1991

US-PAT-NO: 5036472
DOCUMENT-IDENTIFIER: US 5036472 A

TITLE: Computer controlled machine for vending personalized products or the like

DATE-ISSUED: July 30, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Buckley; Stephen P.	Kansas City	MO		
Robinson; Richard A.	Parkville	MO		
Hurlburt; John H.	Lee's Sumit	MO		
Pfahl; Kurt A.	Leawood	MO		
Doerflinger; Arthur E.	Kansas City	MO		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hallmark Cards, Inc.	Kansas City	MO			02

APPL-NO: 07/ 282013   [PALM]
DATE FILED: December 8, 1988

INT-CL: [05] G06F 15/20

US-CL-ISSUED: 364/479; 364/468
US-CL-CURRENT: 700/233; 347/110, 700/234, 700/235

FIELD-OF-SEARCH: 364/471, 364/478, 364/479, 364/519, 364/520, 364/518, 364/468, 221/9, 101/211, 414/793, 414/796

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4414896	November 1983	Fischer	101/211
☐	4616327	October 1986	Rosewarne et al.	364/520
☐	4623292	October 1986	Suzuki et al.	414/796
☐	4625275	November 1986	Smith	364/479
☐	4677565	June 1987	Ogaki et al.	364/479
☐	4699532	October 1987	Smith	364/479
☐	4733362	March 1988	Haraguchi	364/479
☐	4789147	December 1988	Berger et al.	364/471
☐	4817043	March 1989	Brown	364/518
☐	4873643	October 1989	Powell et al.	364/468
☐	4896791	January 1990	Smith	364/479
☐	4949257	August 1990	Orbach	364/479
☐	4970655	November 1990	Winn et al.	364/479

ART-UNIT: 236

PRIMARY-EXAMINER: Smith; Jerry

ASSISTANT-EXAMINER: Trammell; Jim

ABSTRACT:

A machine for vending greeting cards or other personalized or customized products includes audio and video presentations of available products and options available to a customer, provisions for payment and apparatus for automatic delivery of products. Base products such as preprinted forms are stored for selective transfer by a robot device to modifying apparatus such as a printer, modified products being delivered to a delivery receptacle, all operations being under computer control and being changeable as desired for adding or substituting new forms of products.

28 Claims, 17 Drawing figures

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L8: Entry 1 of 2   File: USPT   Aug 30, 1994

US-PAT-NO: 5343556
DOCUMENT-IDENTIFIER: US 5343556 A

TITLE: System for addressing envelopes

DATE-ISSUED: August 30, 1994

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Silverberg; Morton	Westport	CT		

ASSIGNEE-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Pitney Bowes Inc.	Stamford	CT			02

APPL-NO: 07/ 747581   [PALM]
DATE FILED: August 20, 1991

INT-CL: [05] G06F 15/00

US-CL-ISSUED: 395/111; 395/117
US-CL-CURRENT: 358/1.12; 358/1.18

FIELD-OF-SEARCH: 395/117, 395/111, 395/101, 271/287-298, 355/308, 355/321, 355/325, 355/323, 358/498, 346/134

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4524691	June 1985	Miller	101/232
☐	4603846	August 1986	Miles	271/2
☐	4625651	December 1986	Theurer	104/7.2
☐	4731741	March 1988	Allen	364/518
☐	4807805	February 1989	Rutkowski	229/69

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0095737	July 1983	EP	

OTHER PUBLICATIONS

Hoffman Eitle & Partner, Search Report, Ref. No. 57 672 a/fi, Mar. 11, 1993.

ART-UNIT: 237

PRIMARY-EXAMINER: Evans; Arthur G.

ABSTRACT:

A system for printing envelopes which includes a laser printer operating under
control of a microcomputer. The printer includes a pair of parallel envelope paths
for printing pairs of envelopes simultaneously, and also has a capability to print
single envelopes as they are transported along the center line of the printer. The
microcomputer controls the printer to print sequences of addresses on the envelopes.
When envelope are printed in pairs the microcomputer forms subsequences of addresses
which are printed on groups of envelopes so that the groups can be concatenated into
larger groups with addresses in sequence. Movement through the printer is controlled
by pairs of sensor which are "anded" and symmetrically spaced around the center line
so that the sensors can control either a pair of envelopes or a single envelope
transported along the center line of the printer.

15 Claims, 4 Drawing figures

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L9: Entry 1 of 2   File: USPT   Nov 14, 1995

US-PAT-NO: 5467434
DOCUMENT-IDENTIFIER: US 5467434 A

TITLE: Apparatus and method for determining printer option availability and representing conflict resolution in a combination of print job selections

DATE-ISSUED: November 14, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hower, Jr.; John D.	Fairport	NY		
Campanella; Michael L.	Webster	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

APPL-NO: 07/ 936477   [PALM]
DATE FILED: August 28, 1992

INT-CL: [06] G06 F 15/00

US-CL-ISSUED: 395/114; 395/112
US-CL-CURRENT: 358/1.15; 358/1.13

FIELD-OF-SEARCH: 395/110, 395/114, 395/112, 395/109, 395/101, 395/200, 395/325, 395/500, 358/407, 358/408, 358/402, 358/467, 358/468, 400/70, 400/71, 400/72, 400/73, 400/74, 400/75, 355/200, 355/202, 355/210, 355/77

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4970554	November 1990	Rourke	355/202
☐	5049929	September 1991	Anderson et al.	355/204
☐	5113355	May 1992	Nomura	395/109
☐	5129639	July 1992	Dehority	270/1.1
☐	5179637	January 1993	Nardozzi	395/114
☐	5228118	July 1993	Sasaki	395/114
☐	5361332	November 1994	Yoshida et al.	395/114

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2177824	January 1987	GB	

OTHER PUBLICATIONS

Panl Hammond, "Workstation Power Speeds Up Printing", Computer Technology Review, vol. 12, No. 8, Jul. 1992, Los Angeles US, p. 12.

ART-UNIT: 245

PRIMARY-EXAMINER: Bayerl; Raymond J.

ASSISTANT-EXAMINER: Popovici; Dov

ABSTRACT:

A printing arrangement of the type having a printer bank with a plurality of printers which are respectively associated with printer profiles and each of the printer profiles has a list of printer properties available at the printer with which the printer profile is associated. The printing arrangement includes: an input section, located remotely from the printer bank, with a user interface for programming a combination of print job selections and a memory section for storing a selected one of the printer profiles; and a combination examiner for comparing the programmed combination of print job selections from the user interface with a combination of printer properties available in the selected one of the printer profiles from the memory section. The combination of print job selections is transmitted to one of the plurality of printers associated with the selected one of the printer profiles when the combination of print job selections corresponds with the combination of printer properties available at the selected printer.

18 Claims, 20 Drawing figures

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L11: Entry 1 of 2   File: USPT   Sep 3, 1996

US-PAT-NO: 5552994
DOCUMENT-IDENTIFIER: US 5552994 A

TITLE: System for printing social expression cards in response to electronically
transmitted orders

DATE-ISSUED: September 3, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cannon; Thomas G.	Loveland	CO		
DeHart; Daniel L.	Loveland	CO		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Onkor, Ltd.	Loveland	CO			02

APPL-NO: 08/ 090803   [PALM]
DATE FILED: July 12, 1993

PARENT-CASE:
RELATED APPLICATION The present application is a continuation-in-part of co-pending
U.S. patent application Ser. No. 07/949,715 of Cannon, et al., entitled "System for
Printing Social Expression Cards", filed on Sep. 23, 1992.

INT-CL: [06] G06 F 17/00

US-CL-ISSUED: 364/468.01; 364/479.03
US-CL-CURRENT: 700/95; 700/233

FIELD-OF-SEARCH: 364/478, 364/479, 364/468, 364/401-412, 235/379, 235/381, 235/382,
235/383, 395/155-161

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	3949375	April 1976	Ciarlo	340/172
☐	4149246	April 1979	Goldman	
☐	4181955	January 1980	Mittelman et al.	
☐	4300040	November 1981	Gould et al.	235/381
☐	4495582	January 1985	Dessert et al.	364/469
☐	4654482	March 1987	DeAngelis	379/95
☐	4750036	June 1988	Martinez	
☐	4768766	September 1988	Berger et al.	
☐	4817043	March 1989	Brown	364/518
☐	4829453	May 1989	Katsuta et al.	
☐	4839829	June 1989	Freedman	364/519
☐	4852013	July 1989	Durst, Jr. et al.	364/478
☐	4873643	October 1989	Powell et al.	364/468
☐	4876592	October 1989	Von Kohorn	358/455
☐	4899292	February 1990	Montagna et al.	364/821
☐	4939670	July 1990	Freiman et al.	
☐	4947028	August 1990	Gorog	235/381
☐	4992940	February 1991	Dworkin	364/401
☐	5027400	June 1991	Baji et al.	380/358
☐	5036472	July 1991	Buckley et al.	364/479
☐	5056029	October 1991	Cannon	364/468
☐	5062059	October 1991	Youngblood et al.	
☐	5077607	December 1991	Johnson et al.	
☐	5093718	March 1992	Hoarty et al.	
☐	5117354	May 1992	Long et al.	
☐	5124980	June 1992	Maki	
☐	5130806	July 1992	Reed et al.	
☐	5142662	August 1992	Gump et al.	
☐	5163007	November 1992	Slilaty	
☐	5170467	December 1992	Kubota et al.	
☐	5172413	December 1992	Bradley et al.	380/20
☐	5173594	December 1992	McClure	
☐	5175684	December 1992	Chong	
☐	5185857	February 1993	Rozmanith et al.	
☐	5222138	June 1993	Balabon et al.	
☐	5235680	August 1993	Bijnagte	
☐	5239466	August 1993	Morgan et al.	
☐	5243174	September 1993	Veeneman et al.	
☐	5283861	February 1994	Dangler et al.	
☐	5299123	March 1994	Wang et al.	
☐	5305199	April 1994	LoBiondo et al.	

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
84112625.3	May 1985	EP	
58-159110	September 1983	JP	

OTHER PUBLICATIONS

Evan I Schwartz et al, The Kiosks are Coming, The Kiosks are Coming, Business Week Jun. 22, 1992, p. 122.
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Bob Gatty, "Setting Up Shop on Computer Screens," Nation's Business, Mar. 1984, pp. 57-58.
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ART-UNIT: 244

PRIMARY-EXAMINER: Trammell; James P.

ABSTRACT:

A system for viewing, ordering, and printing social expression cards includes a database preparation system, a number of card display/order systems, and a number of card printing systems. The database preparation system uses a scanner to input images from a plurality of cards, or a computer software program to create images for use in card designs. A card description database defines the layout of each card in terms of its component images and text, and their locations on the card. The database preparation system can also build a card parameter database to enable a user to select a desired category of cards. Each card display/order system accesses these databases and image files by computer network, modem, cable television, or by transfer of removable data storage media. The card display/order system allows the user to input parameters to pick the category of cards to be displayed. The user can order a selected card to be printed and input information to personalize the card. The order is electronically transmitted to a card printing- system which retrieves the data for the selected card and prints the card by means of a color printer.

28 Claims, 30 Drawing figures

WEST

☐ | Generate Collection | | Print |

L12: Entry 1 of 2   File: USPT   Oct 1, 1996

US-PAT-NO: 5561604
DOCUMENT-IDENTIFIER: US 5561604 A

TITLE: Computer controlled system for vending personalized products

DATE-ISSUED: October 1, 1996

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Buckley; Stephen P.	Kansas City	MO		
Vandemark; Michael L.	Shawnee	KS		

ASSIGNEE-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hallmark Cards, Incorporated	Kansas City	MO			02

APPL-NO: 07/ 602439   [PALM]
DATE FILED: October 22, 1990

PARENT-CASE:
REFERENCE TO RELATED APPLICATIONS This application is a continuation-in-part of
application Ser. No. 07/282,013, filed Dec. 8, 1988, now U.S. Pat. No. 5,036,472,
and a continuation-in-part of application Ser. No. 07/514,670, filed Apr. 25, 1990.
The disclosures of said applications are incorporated by reference.

INT-CL: [06] G06 F 17/00

US-CL-ISSUED: 364/479.05; 364/478.01, 364/468.24, 364/479.05
US-CL-CURRENT: 700/235; 347/2, 700/213, 700/233

FIELD-OF-SEARCH: 364/479, 364/478, 364/468, 364/400-412, 235/379, 235/381, 235/383,
235/385, 235/375, 395/144-148, 395/155-161

PRIOR-ART-DISCLOSED:

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| Search Selected | | Search ALL |

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☐	3982744	September 1976	Kraynak et al.
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unknown.

ART-UNIT: 244

PRIMARY-EXAMINER: Trammell; James P.

ABSTRACT:

A machine for delivering a product which may be automatically personalized by a
customer at the time of purchase is disclosed. The product may be selected from a

plurality of different types of products which may communicate in a plurality of
media such as print, braille, or audio or video tape. The machine stores base
products which may be modified to communicate in a plurality of media. Product
handling means effects a series of operations including transfer of a base product
from storage. Electrically controllable modification means effects modification of
the base product to produce a modified base product and electrically controllable
delivery means effects delivery of the modified base product. An enclosure contains
the storage and product handling means therewithin. The apparatus further comprises
payment means operable by a customer on the outside of the enclosure to effect
payment for a product and selection means operable by a customer on the outside of
the enclosure to effect entry of control data which defines the customer's selection
of the media form of the base product and modifications to be performed of the
selected media form to define the desired final form of the personalized product to
be delivered to the customer.

45 Claims, 23 Drawing figures

WEST

☐ | Generate Collection | | Print |

L13: Entry 1 of 2   File: USPT   Nov 26, 1996

US-PAT-NO: 5579447
DOCUMENT-IDENTIFIER: US 5579447 A

TITLE: System for developing and displaying a representation of a total estimated time to print a job

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Salgado; David L.	Victor	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

APPL-NO: 08/ 344915   [PALM]
DATE FILED: November 25, 1994

INT-CL: [06] G06 K 15/00

US-CL-ISSUED: 395/109; 395/114
US-CL-CURRENT: 358/1.9; 358/1.15

FIELD-OF-SEARCH: 358/434, 358/401, 358/442, 358/449, 358/468, 358/296, 355/208, 355/209, 355/203, 395/109, 395/114

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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☐	5036361	July 1991	Filion et al.	355/209
☐	5107339	April 1992	Bertoni et al.	358/296
☐	5206735	April 1993	Gauronski et al.	358/296
☐	5287194	February 1994	Lobiondo	358/296
☐	5293463	March 1994	Masuda	395/101
☐	5384633	January 1995	Boyd	355/314

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
468762A3	January 1992	EP	
WO94/11804	May 1994	WO	

ART-UNIT: 266

PRIMARY-EXAMINER: Rogers; Scott A.

ABSTRACT:

There is provided an apparatus for developing and displaying a representation of a total estimated time to print a job. The apparatus includes a user interface, with a display screen, for selectively programming the job with plural print related attributes, wherein selected ones of the print related attributes affecting a time required to print the job. The apparatus further includes a memory for storing the image data and the print related attributes as well as a processor for generating an estimated time to print value for each of the plural electronic pages based on the selected attributes programmed during said programming which affect the time required to print the job, the estimated time to print generating being performed prior to printing the job. In operation, the processor sums the values generated with the estimated time to print generating for obtaining a total estimated time to print, wherein the representation of the total estimated time to print is displayed on the display screen.

24 Claims, 10 Drawing figures

WEST

☐   Generate Collection   Print

L14: Entry 1 of 2   File: USPT   Jan 20, 1998

US-PAT-NO: 5709374
DOCUMENT-IDENTIFIER: US 5709374 A

TITLE: System for automatic print jobs separations in container with vertically projecting folders

DATE-ISSUED: January 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Thomas N.	Rochester	NY		
Panos; Robert A.	Penfield	NY		
Bains; Sudarshan S.	Pittsford	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

APPL-NO: 08/ 732760   [PALM]
DATE FILED: October 18, 1996

INT-CL: [06] B41 F 13/54, B65 H 39/02

US-CL-ISSUED: 270/1.02; 270/45, 270/52.03, 270/58.32
US-CL-CURRENT: 270/1.02; 270/45, 270/52.03, 270/58.32

FIELD-OF-SEARCH: 270/1.01, 270/1.02, 270/45, 270/52.03, 270/58.07, 270/58.14, 270/58.31, 270/58.32

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected   Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5031891	July 1991	Kobler et al.	270/52.03
☐	5085417	February 1992	Copham	270/1.02
☐	5207412	May 1993	Coons, Jr. et al.	270/1.1
☐	5316279	May 1994	Corona et al.	270/1.1
☐	5377965	January 1995	Mandel et al.	270/1.1
☐	5519624	May 1996	Hidding	270/52.03 X
☐	5547178	August 1996	Costello	270/52.02

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0547788	January 1993	EP	

ART-UNIT: 341

PRIMARY-EXAMINER: Nguyen; Hoang

ABSTRACT:

In reproduction systems in which a printer outputs a plurality of different plural
sheet print jobs, a system is provided for automatically separating respective print
jobs into separate specially formed folders for respective print jobs and stacking a
number of them into one or more specially shaped print jobs stacking containers,
with the closed folders formed to extend above and provide clear distinctions and
separations of their respective print jobs in the container so that a selected print
job can be readily removed as a unit from the container. The folders may be on-line
separately printed in tab areas and folded. The folding can be uneven or skewed or
otherwise formed to be held above their contained print jobs even if the folder was
from the same size paper stock.

5 Claims, 14 Drawing figures

WEST

☐ | Generate Collection | | Print |

L16: Entry 1 of 2   File: USPT   May 26, 1998

US-PAT-NO: 5758327
DOCUMENT-IDENTIFIER: US 5758327 A

TITLE: Electronic requisition and authorization process

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gardner; Ben D.	San Jose	CA	95128	
Folds; Wilbert S.	San Mateo	CA		
Roberto; Nora L.	Livermore	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Gardner; Ben D.	San Jose	CA			04
Roberto; Nora	Pleasanton	CA			04

APPL-NO: 08/ 551434   [PALM]
DATE FILED: November 1, 1995

INT-CL: [06] G06 F 17/60

US-CL-ISSUED: 705/26
US-CL-CURRENT: 705/26

FIELD-OF-SEARCH: 395/226, 395/227, 395/50, 395/207, 395/210, 395/211, 395/235, 705/26, 705/27, 705/7, 705/10, 705/11, 705/35, 340/825.3, 340/825.34, 340/825.35, 235/375, 235/380, 235/381, 235/383

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4799156	January 1989	Shavit et al.	705/37
☐	4947028	August 1990	Gorog	705/40
☐	5021953	June 1991	Webber et al.	705/5
☐	5319542	June 1994	King, Jr. et al.	705/26
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Phillip Zimmermann, Pretty Good Privacy Public Key Encryption for the Masses, Phil's Pretty Good Software, Oct. 11, 1994.

ART-UNIT: 271

PRIMARY-EXAMINER: Cosimano; Edward R.

ASSISTANT-EXAMINER: Oh; Junghoon Kenneth

ABSTRACT:

A method of electronic requisition processing includes storing company-specific requisition rules and an electronic catalog on a central computer system located at a first site. The central computer system is linked to a number of companies by means of an external communications line, such as a telephone system-and-modem arrangement. A requester at one of the companies may identify one or more items to be ordered. In response to the requisition, the company with which the requestor is associated is determined, and the appropriate requisition rules for that company are implemented. If more than one item is identified, a requisition folder is formed in software to contain a number of requisitions. Also contained in the requisition folder are any required attachments, with each attachment being designated as being "internal" or "external" and as "confidential" or "non-confidential." The authorization process dictated by the requisition rules of the company are followed, with at least a portion of the process being executed electronically via the external communications line. If the purchase of items is authorized, an appropriate number of purchase orders are generated and are preferably transmitted to vendors electronically. The method isolates the companies from the vendors. In one embodiment, the payment process is also carried out in a manner that isolates the companies and the vendors. Vendors invoice the operators of the central computer system, who then invoice the companies.

14 Claims, 4 Drawing figures

WEST

☐ Generate Collection | Print

L17: Entry 1 of 2   File: USPT   Jul 7, 1998

US-PAT-NO: 5778367
DOCUMENT-IDENTIFIER: US 5778367 A

TITLE: Automated on-line information service and directory, particularly for the
world wide web

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Wesinger, Jr.; Ralph E.   San Jose   CA
Coley; Christopher D.   Morgan Hill   CA

ASSIGNEE-INFORMATION:
NAME   CITY   STATE ZIP CODE COUNTRY TYPE CODE
Network Engineering Software, Inc.   San Jose   CA   02

APPL-NO: 08/ 572543   [PALM]
DATE FILED: December 14, 1995

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/10; 395/200.48, 395/200.47, 395/200.34, 395/200.33
US-CL-CURRENT: 707/10; 709/203, 709/204, 709/217, 709/218

FIELD-OF-SEARCH: 395/610, 395/187.01, 395/182.02, 395/793, 395/200.48, 395/200.47,
395/200.33, 395/200.34, 707/10

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5448724	September 1995	Hayashi	395/182.02
☐	5530852	June 1996	Meske, Jr. et al.	707/10
☐	5553239	September 1996	Heath et al.	395/187.01
☐	5572643	November 1996	Judson	395/793
☐	5608903	March 1997	Prasad et al.	395/610
☐	5623601	April 1997	Vu	395/187.01
☐	5623652	April 1997	Vora et al.	707/10
☐	5625781	April 1997	Cline et al.	395/33
☐	5630125	May 1997	Zellweger	707/103
☐	5678041	October 1997	Baker et al.	707/9

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
WO 95/12176	May 1995	WO	
WO 95/17733	June 1995	WO	

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Cinkosky et al, A new design for the genome sequence database, IEEE, pp. 725-729, Nov. 1995.
James, Media and Hypermedia, IEEE, pp. 1-2, Jun. 1990.
Born, A knowledge based Hypertext system for document generation and checking, IEEE, pp. 1-4, Nov. 1990.
Rosenking et al, A generic system for directory pagination, IEEE, pp. 166-169, Sep. 1991.
Story et al, The right pages image-based electronic library for alerting and browsing, IEEE, pp. 17-26, Sep. 1992.
Barclay et al, Vitual Blood, Real Sweat, no tears: lessons learned from making a publication about electronic publications, IEEE, pp. 106-109, Sep. 1995.
Laura Lemay, Web Publishing with HTML, text book, pp. 272-289, 1995.
Web site pages from wyp.net (World Yellow Pages NETwork.TM..).

ART-UNIT: 271

PRIMARY-EXAMINER: Lintz; Paul R.

ASSISTANT-EXAMINER: Coby; Frantz

ABSTRACT:

A computer network and a database are used to provide a hardware-independent, dynamic information system in which the information content is entirely user-controlled. Requests are received from individual users of the computer network to electronically publish information, and input is accepted from the individual users. Entries from the users containing the information to be electronically published are automatically collected, classified and stored in the database in searchable and retrievable form. Entries are made freely accessible on the computer network. In response to user requests, the database is searched and entries are retrieved. Entries are served to users in a hardware-independent page description language. The entries are password protected, allowing users to retrieve and update entries by supplying a correct password. Preferably, the process is entirely automated with any necessary billing being performed by secure, on-line credit card processing. The user making a database entry has complete control of that entry both at the time the entry is made and in the future after the entry has been made. The entry, when served to a client, is transformed on-the-fly to the page description language. Where the page description language is HTML and the computer network is the World Wide Web, the entry may function as a "mini" homepage for the user that made the entry. Provision is made for graphics and other kinds of content besides text, taking advantage of the content-rich nature of the Web.

25 Claims, 25 Drawing figures

WEST

☐ | Generate Collection | | Print |

L18: Entry 1 of 2   File: USPT   Aug 11, 1998

US-PAT-NO: 5793964
DOCUMENT-IDENTIFIER: US 5793964 A

TITLE: Web browser system

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rogers; Richard Michael	Beacon	NY		
Lagarde; Konrad Charles	Milford	CT		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY			02

APPL-NO: 08/ 479481   [PALM]
DATE FILED: June 7, 1995

INT-CL: [06] G06 F 15/00

US-CL-ISSUED: 395/200.32; 395/200.79
US-CL-CURRENT: 709/202; 709/249

FIELD-OF-SEARCH: 395/600, 395/200.1-200.21, 395/200.32, 395/200.79

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4274139	June 1981	Hodgkinson et al.	
☐	4468728	August 1984	Wang	
☐	4604710	August 1986	Amezcua et al.	
☐	4714989	December 1987	Billings	
☐	4714995	December 1987	Materna et al.	
☐	4774655	September 1988	Kollin et al.	
☐	5093911	March 1992	Parks et al.	
☐	5179652	January 1993	Rozmanith et al.	
☐	5181017	January 1993	Frey, Jr. et al.	
☐	5224098	June 1993	Bird et al.	
☐	5241625	August 1993	Epard et al.	
☐	5278978	January 1994	Demers et al.	
☐	5297249	March 1994	Bernstein	
☐	5307456	April 1994	MacKay	
☐	5355472	October 1994	Lewis	
☐	5499364	March 1996	Klein et al.	395/200.03
☐	5530852	June 1996	Meske, Jr. et al.	395/600
☐	5537546	July 1996	Sautey	395/200.01

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1994, Technical Report CU-CS-732-94.
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Software Agents: Application Intelligence goes Undercover, Stewart Mckie, DBMS v8,
N4, p. 56(4), Apr. 1995.
Browse Tools Make Searches a Breeze, Anne Knowles, PC Week v12, N19, p. 13(1), May
15, 1995.
Scaling New Heights in Technical Communication: Proceedings of the IPCC, Banff, Sep.
28-Oct. 1, 1994, "Building a Hypermedia Information System on the Internet" by T.
Lau, pp. 192-197.
"Developing Applications with OpenDIS Access Service", Metaphore Data Interpretation
System Release 2.0, Metaphor Inc., 1st Edition, Sep. 1994.

ART-UNIT: 271

PRIMARY-EXAMINER: Sheikh; Ayaz R.

ASSISTANT-EXAMINER: Myers; Paul R.

ABSTRACT:

A World Wide Web browser makes requests to web servers on a network which receive
and fulfill requests as an agent of the browser client, organizing distributed
sub-agents as distributed integration solution (DIS) servers on an intranet network
supporting the web server which also has an access agent servers accessible over the
Internet. DIS servers execute selected capsule objects which perform programmable
functions upon a received command from a web server control program agent for
retrieving, from a database gateway coupled to a plurality of database resources

upon a single request made f⬤m a Hypertext document, requested information from
multiple data bases located at different types of databases geograhically dispersed,
performing calculations, formatting, and other services prior to reporting to the
web browser or to other locations, in a selected format, as in a display, fax,
printer, and to customer installations or to TV video subscribers, with account
tracking.

30 Claims, 11 Drawing figures

WEST

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L19: Entry 1 of 2   File: USPT   Dec 1, 1998

US-PAT-NO: 5845263
DOCUMENT-IDENTIFIER: US 5845263 A

TITLE: Interactive visual ordering system

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Camaisa; Allan J.	San Diego	CA		
Wadkins; E. Tracy	Santee	CA		
Gayda; Karen M.	Bonsall	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
High Technology Solutions, Inc.	San Diego	CA			02

APPL-NO: 08/ 491582   [PALM]
DATE FILED: June 16, 1995

INT-CL: [06] G06 F 17/60

US-CL-ISSUED: 705/27; 705/15
US-CL-CURRENT: 705/27; 705/15

FIELD-OF-SEARCH: 395/205, 395/215, 395/216, 395/221, 395/226, 395/227, 395/239, 364/464.01, 186/38, 186/39, 186/44, 705/5, 705/15, 705/16, 705/21, 705/26, 705/27, 705/39

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	3583538	June 1971	Hurley	273/85
☐	4503502	March 1985	Chapin	364/400
☐	4530067	July 1985	Dorr	364/900
☐	4553222	November 1985	Kurland et al.	364/900
☐	4722053	January 1988	Dubno et al.	364/401
☐	4797818	January 1989	Cotter	364/401
☐	4891756	January 1990	Williams, III	364/413.29
☐	4992940	February 1991	Dworkin	364/401
☐	5003472	March 1991	Perrill et al.	364/401
☐	5128862	July 1992	Mueller	364/405
☐	5218527	June 1993	Ishikawa et al.	364/405
☐	5235509	August 1993	Mueller et al.	364/405
☐	5262938	November 1993	Rapoport et al.	364/401
☐	5353219	October 1994	Mueller et al.	364/405
☐	5589676	December 1996	Iguchi	235/7R

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www.mtt.com:80/thSource/rockyMountain/restServices.html.
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AD: MICROS 2700. Micros Systems, Inc. 12000 Baltimore Ave., Beltsville, MD.
Brochure: TEC Pizza System. 2160 W. 190th Street, Torrance, CA.
Brochure: MICROS 2400 Fast Food System. 12000 Baltimore Ave., Beltsville, MD.
Brochure: IVID Communications. Point of sale system supports. 7220 Trade Street,
Suite 201, San Diego, CA.
Brochure: TEC TST-300 Touch Screen Terminal. 4401-A Bankers Circle, Atlanta, GA
30360.
Brochure: SDCR Systems. Stuart Anderson's.

ART-UNIT: 271

PRIMARY-EXAMINER: Cosimano; Edward R.

ASSISTANT-EXAMINER: Bainbridge; Barton L.

ABSTRACT:

A portable interactive visual ordering system and method utilizing full-color
images. The system may be used by a restaurant to facilitate ordering menu items by
a customer. The customer can request the system to display full-color images of a
menu item as a help to decide what to order. The customer can also obtain a list of
ingredients, method of preparation and nutritional information for a selected menu
item. When the customer decides to order a particular menu item, the system captures
the ordered item and tabulates a running bill. In another embodiment of the system,
multiple visual ordering devices are networked together at the restaurant. An option
in the networked system is to allow the customer to pay the bill by a credit card or
debit means at his/her table. The system enables businesses to reduce labor costs in
running the business and provides the customer with more information at the point of
sale to make a more informed decision.

15 Claims, 15 Drawing figures

WEST

☐ | Generate Collection | | Print |

L20: Entry 1 of 2   File: USPT   Jul 27, 1999

US-PAT-NO: 5930810
DOCUMENT-IDENTIFIER: US 5930810 A

TITLE: Printing system with pre-defined user modifiable forms and local and remote printing

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Farros; Royal P.	Menlo Park	CA		
Schuyler; James A.	San Francisco	CA		
Babcock; Gaylon W.	El Granada	CA		
Finn; Michael J.	White Bear Lake	MN		
Sax; Michael N.	Shroeview	MN		
Johnson; Alan D.	New Brighton	MN		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Taylor Corporation	North Mankato	MN			02

APPL-NO: 08/ 512983   [PALM]
DATE FILED: August 9, 1995

INT-CL: [06] G06 F 17/00

US-CL-ISSUED: 707/506; 707/508, 707/517, 707/527, 364/479.05, 235/381
US-CL-CURRENT: 715/506; 235/381, 700/235

FIELD-OF-SEARCH: 395/766, 395/961, 395/962, 395/226, 395/227, 395/326, 395/339, 395/352, 395/353, 395/354, 395/788, 395/789, 364/479.01, 364/479.02, 364/479.03, 364/479.04, 364/479.05, 358/527, 345/326, 345/339, 345/352, 345/353, 345/354, 707/517, 707/506, 707/527, 235/381

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4508156	April 1985	Banks et al.	164/35
☐	4839829	June 1989	Freedman	395/329
☐	5029099	July 1991	Goodman	364/479.05
☐	5036472	July 1991	Buckley et al.	364/479.03
☐	5038293	August 1991	Goodman	364/479.03
☐	5056029	October 1991	Cannon	364/479.03
☐	5132915	July 1992	Goodman	364/479.03
☐	5235519	August 1993	Miura	364/479.03
☐	5241464	August 1993	Greulich et al.	705/26
☐	5272549	December 1993	McDonald	358/527
☐	5327265	July 1994	McDonald	358/527
☐	5349534	September 1994	Rousseff et al.	364/479.05
☐	5487010	January 1996	Drake et al.	364/479.03
☐	5513116	April 1996	Buckley et al.	364/479.03
☐	5513117	April 1996	Small	364/479.03
☐	5550746	August 1996	Jacobs	364/479.01
☐	5552994	September 1996	Cannon et al.	364/479.03
☐	5555496	September 1996	Tackbary et al.	395/227
☐	5559714	September 1996	Banks et al.	364/479.03
☐	5561604	October 1996	Buckley et al.	364/479.05

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Presentation Services", Microsoft Corporation 1990-1992.
Microsoft PowerPoint Handbook, by Microsoft Corporation, 1992. (Cover pages, Table
of Contents, Chs. 1,2,4,5,13).

ART-UNIT: 276

PRIMARY-EXAMINER: Feild; Joseph H.

ABSTRACT:

A printing system operates on a computer system to enable creation of a variety of
printed products. The printing system takes either a kiosk form or a personal system
form. The printing system contains a variety of definitions of products in its
storage which may be selected and modified by a user. The user may alter a plurality
of aspects of the selected product including the layout of the product, the graphics
of the product and different aspects of the textual information to be printed on the
product to personalize the product. Upon completion of personalization of the
product, the printing system provides the user with a plurality of order and
transmission options which allow certain products to be printed locally, and which
allows certain products to be printed by a remotely located printing facility. The
user may create a print order which is transmitted in one of two manners to the
remote printing facility. Payment information including credit card information may
also be entered for payment of products printed by the remote printing facility.

2 Claims, 15 Drawing figures

WEST

☐ | Generate Collection | | Print |

L21: Entry 1 of 3   File: USPT   Aug 10, 1999

US-PAT-NO: 5937393
DOCUMENT-IDENTIFIER: US 5937393 A

TITLE: Order processing method in a distributed processing system with local
validation and dynamic control of the order request through a configuration matrix

DATE-ISSUED: August 10, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
O'Leary; Aidan	Dublin			IE
Maguire; Eoin	Dublin			IE

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Portspring Limited	Dublin			IE	03

APPL-NO: 08/ 779951   [PALM]
DATE FILED: December 23, 1996

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
IE	950977	December 21, 1995
IE	S960040	January 18, 1996

INT-CL: [06] G06 F 5/163, G06 F 17/60, G06 F 153/00

US-CL-ISSUED: 705/21; 705/16, 705/26, 235/380
US-CL-CURRENT: 705/21; 235/380, 705/16, 705/26

FIELD-OF-SEARCH: 705/21, 705/16, 705/26, 705/27, 235/380, 235/383, 395/200.68

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4016405	April 1977	McCune et al.	235/380
☐	4386266	May 1983	Chesarek	235/380 X
☐	4594663	June 1986	Nagata et al.	235/380 X
☐	4755940	July 1988	Brachtl et al.	235/382 X
☐	4859838	August 1989	Okiharu	705/22
☐	4891503	January 1990	Jewell	705/44
☐	4947028	August 1990	Gorog	235/380
☐	5231570	July 1993	Lee	235/380 X
☐	5255182	October 1993	Adams	705/21 X
☐	5289371	February 1994	Abel et al.	705/26
☐	5315508	May 1994	Bain et al.	705/28
☐	5329589	July 1994	Fraser et al.	705/44 X
☐	5334824	August 1994	Martinez	235/380 X
☐	5490251	February 1996	Clark et al.	395/200.67
☐	5570291	October 1996	Dudle, Jr. et al.	705/10 X
☐	5598462	January 1997	Truemmer et al.	379/216 X
☐	5666493	September 1997	Wojcik et al.	705/26
☐	5678010	October 1997	Pittenger et al.	395/200.68 X
☐	5694551	December 1997	Doyle et al.	705/26
☐	5758327	May 1998	Gardner et al.	705/26
☐	5793028	August 1998	Wagener et al.	235/380
☐	5808894	September 1998	Wiens et al.	705/26
☐	5852809	December 1998	Abel et al.	705/26

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0425405	May 1991	EP	
0585932	March 1994	EP	
WO94/28497	December 1994	WO	

ART-UNIT: 275

PRIMARY-EXAMINER: MacDonald; Allen R.

ASSISTANT-EXAMINER: Crecca; Michele Stuckey

ABSTRACT:

An order processing method for implementation in a distributed computer system is described. An order create request is received from a user at a local station, validated locally and routed to a remote station for authorization. Connection between local and remote stations may be of any type. Progress of an order is tracked by a configuration matrix, and communication is tracked and controlled by a router slip appended to an order message and which is in turn governed by the matrix. The matrix allows selection of a current control register which governs applicability of validation routines to data entities of the request or order. Paper handling is reduced or eliminated and sufficient control for decentralised purchasing is achieved.

12 Claims, 5 Drawing figures

WEST

☐ | Generate Collection | | Print |

L22: Entry 1 of 2   File: USPT   Sep 28, 1999

US-PAT-NO: 5960200
DOCUMENT-IDENTIFIER: US 5960200 A

TITLE: System to transition an enterprise to a distributed infrastructure

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eager; Timothy	Fullerton	CA		
Anand; Madhav	Cambridge	MA		
Aslanian; Edouard	Hermosa Beach	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
i-CUBE	Cambridge	MA			02

APPL-NO: 08/ 714205   [PALM]
DATE FILED: September 16, 1996

PARENT-CASE:
RELATED APPLICATIONS This application claims priority to U.S. Provisional
Application No. 60/016,330 filed on May 3, 1996, the teachings of which are
incorporated herein by reference in their entirety.

INT-CL: [06] G06 F 9/45

US-CL-ISSUED: 395/705; 395/701, 395/707, 395/500, 395/200.31, 705/7
US-CL-CURRENT: 717/147; 703/13, 703/20, 705/7, 709/201, 717/103, 717/104, 717/108

FIELD-OF-SEARCH: 395/705, 395/701, 395/702, 395/707, 395/708, 395/500, 395/200.31,
395/200.33, 395/682, 395/683, 705/7-11, 707/10, 707/100, 707/102-104, 364/578,
364/468.02, 364/468.03, 364/468.05, 364/468.09

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5119465	June 1992	Jack et al.	395/500
☐	5228137	July 1993	Kleinerman et al.	395/500
☐	5455948	October 1995	Poole et al.	707/102
☐	5457797	October 1995	Butterworth et al.	395/682
☐	5524253	June 1996	Pham et al.	395/200.32
☐	5606697	February 1997	Ono	395/707

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Environments," IEEE Transactions on Software Engineering, 17(6):626-635, (Jun.

1991).

Scandura, J.M., "Converting Legacy Code into Ada: A Cognitive Approach," IEEE, 27(4):55-61, (Apr. 1994).

Berg, K.S., "Business Objects Done Right," Software Reviews, 20(4):175-176, (Apr. 1995).

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Leymann, F., et al., "Business Process Management With FlowMark," IEEE, pp. 230-234, (1994).

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Moore, M., et al., "Knowledge-based User Interface Migration," IEEE, pp. 72-79, (1994).

Geschickter, C., "A Commonsense Plan for Client-Server Migration," Data Communications, pp. 73-76 and 78, (May 1994).

Mackey, S.R., et al., "Software Migration and Reengineering (SMR) A Pilot Project in Reengineering," pp. 178-191.

Mittra, S.S., "A Road Map for Migrating Legacy Systems to Client/Server," Software Maintenance: Research and Practice, vol. 7, pp. 117-130, (1995).

"DASE--Base Technology for Data and Applications Software Evolution and HIREL HIerarchical to RELational for an automated Migration to an open, relational and Client/Server positioned Environement," SWS Software Services, pp. 1-4, (1994).

"DASE Base Technology for Data and Acquisitions Software Evolution and HIREL/AProp IMS/DB-DB2 dual way Access Propagation for an automated Migration to an open, relational and Client/Server positioned Environment," SWS Software Services, pp. 1-4, (1994).

"DASE Base Technology for Data and Applications Software Evolution and IXREL IBM hIerarchisch to uniX RELational for an automated Migration to an open, relational and Client/Server positioned Environment," SWS Software Services, pp. 1-4, (1994).

"DASE Base Technology for Data and Applications Software Evolution and CMP COBOL Migration Products for an automated Migration from COBOL ANS'68/74 to COBOL ANS'85 and REPORT WRITER to Native COBOL," SWS Software Services, pp. 1-4, (1994).

"DASE Base Technology for Data and Acquisitions Software Evolution and VREL Vsam to RELational for an automated Migration to an open, relational and Client/Server positioned Environment," SWS Software Services, pp. 1-4, (1994).

ART-UNIT: 272

PRIMARY-EXAMINER: Hafiz; Tariq R.

ASSISTANT-EXAMINER: Dam; Tuan Q.

ABSTRACT:

An automated system transitions an entire enterprise to a distributed infrastructure. The system includes a process for organizing and managing the transition, a multi-tiered client/server architecture that adheres to open systems standards, a system to automate the transition of existing applications to this architecture, and a system to enable the creation or modification of applications based on this architecture.

54 Claims, 36 Drawing figures

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L23: Entry 1 of 2   File: USPT   Nov 16, 1999

US-PAT-NO: 5987423
DOCUMENT-IDENTIFIER: US 5987423 A

TITLE: Object oriented technology framework for order processing

DATE-ISSUED: November 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arnold; Vincent Davis	Dodge Center	MN		
Berg; Alf Christian	Tarnasen			NO
Bohrer; Kathryn Ann	Austin	TX		
Brane; Thomas Karl Athos	Stockholm			SE
Dahl; Tore Magnus	Hasselby			SE
Michaelson; Tor	Oslo			NO
Nilsson; Anders Magnus	Hagan			NO
Odegaard; Helge	Frogner			NO
Pernbeck; Torbjorn Harald Osten	Stockholm			SE

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY			02

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PRIMARY-EXAMINER: Trammell; James P.

ASSISTANT-EXAMINER: Nguyen; Cuong H.

ABSTRACT:

An object oriented programming (OOP) framework includes an Order Management (OM)
mechanism that tracks sales orders received and matches them to warehouse inventory,
a Sales Order (SA) mechanism that processes sales orders, and a Purchase Order (PU)
mechanism that processes purchase orders. The OM mechanism comprises a category of
OOP classes that provide the primary interface between the framework classes and
underlying business objects that provide accounting functions and warehouse
management interfaces, and the SA and PU mechanisms comprise respective categories
of OOP classes that keep track of sales orders received and purchase orders issued.

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L24: Entry 1 of 2   File: USPT   Jun 13, 2000

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DOCUMENT-IDENTIFIER: US 6076091 A

TITLE: Method and system for providing a flexible and extensible database interactive on-line electronic catalog

DATE-ISSUED: June 13, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fohn; Steffen Michael	Raleigh	NC		
Greef; Arthur Reginald	Seattle	WA		
Schumacher; John Frederick	White Plains	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY			02

APPL-NO: 08/ 987214   [PALM]
DATE FILED: December 9, 1997

PARENT-CASE:
This application was filed as U.S. Provisional application No. 60/032,543 on Dec. 10, 1996.

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/102; 707/3, 707/103, 707/104
US-CL-CURRENT: 707/102; 707/104.1, 707/3

FIELD-OF-SEARCH: 707/1, 707/2, 707/3, 707/4, 707/5, 707/9, 707/10, 707/100, 707/101, 707/102, 707/103, 707/104, 707/501, 707/513, 707/530, 707/531, 705/26, 705/28, 705/39, 348/7, 348/12

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4992940	February 1991	Dworkin	705/26
☐	5367619	November 1994	Dipaolo et al.	707/506
☐	5603025	February 1997	Tabb et al.	707/2
☐	5727950	March 1998	Cook et al.	434/350
☐	5740425	April 1998	Povilus	395/611
☐	5819092	October 1998	Ferguson et al.	395/701
☐	5832496	November 1998	Anand et al.	707/102

ART-UNIT: 277

PRIMARY-EXAMINER: Amsbury; Wayne

ASSISTANT-EXAMINER: Channavajjala; Srirama

ABSTRACT:

An on-line interactive catalog system having a plurality of catalog agent metaphors
(CAM's), each comprising a set of components, portions of a knowledge representation
and a design for the creation of components, facilitating the creation of different
forms of interactions with an electronic catalog knowledge representation. The CAM's
further provide a methodology in which rich knowledge representations about
cataloged information can be created iteratively. The creation of the knowledge
representation or information model for the electronic catalog is driven by a
particular set of desired interactions, thereby providing a unique approach to the
creation and dynamic maintenance of electronic catalogs, information models and user
interfaces. The CAM system also provides a method for providing flexible catalogs,
allowing for simple interaction metaphors having simple information and modeling
requirements to be created and become operational without overwhelming design
demands, while still providing for dynamic flexible growth and extensibility of the
product knowledge representation and interaction approaches.

26 Claims, 13 Drawing figures

WEST

☐ | Generate Collection | | Print |

L25: Entry 1 of 2   File: USPT   Oct 17, 2000

US-PAT-NO: 6133985
DOCUMENT-IDENTIFIER: US 6133985 A

TITLE: Method of processing digital images and distributing visual prints produced from the digital images

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garfinkle; Philip N.	Herndon	VA		
Yaacov; Yaacov Ben	Jerusalem			IL
Jaffe; Elliot D.	Hashmonaem			IL

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
PictureVision, Inc.	Sterling	VA			02

APPL-NO: 09/ 310301   [PALM]
DATE FILED: May 12, 1999

PARENT-CASE:
This application is a continuation of U.S. patent application Ser. No. 08/773,756, entitled A Method Of Processing Digital Images And Distributing Visual Prints Produced From The Digital Images, filed Dec. 24, 1996, now U.S. Pat. No. 6,017,157, the disclosure of which is hereby incorporated by reference in its entirety.

INT-CL: [07] G03 B 27/52, G03 B 27/54, G03 D 13/04

US-CL-ISSUED: 355/40; 355/70, 396/639, 396/429
US-CL-CURRENT: 355/40; 355/70, 396/429, 396/639

FIELD-OF-SEARCH: 355/40, 355/18, 355/19, 355/27, 355/77, 396/374, 396/429, 396/639

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4417811	November 1983	Hamer	355/77
☐	4432637	February 1984	Baschung	355/35
☐	4862200	August 1989	Hicks	354/75
☐	4862222	August 1989	Staude et al.	355/40
☐	4918484	April 1990	Ujiie et al.	355/41
☐	4935809	June 1990	Hayashi et al.	358/76
☐	4951086	August 1990	Hicks	355/41
☐	4974096	November 1990	Wash	358/302
☐	5023655	June 1991	Hicks	355/39
☐	5070677	December 1991	Hicks	53/435
☐	5072254	December 1991	Hicks et al.	355/50
☐	5072256	December 1991	Hicks	355/71
☐	5093682	March 1992	Hicks	355/1
☐	5097292	March 1992	Hicks	355/75
☐	5319401	June 1994	Hicks	354/76
☐	5321465	June 1994	Hicks	355/77
☐	5512396	April 1996	Hicks	430/21
☐	6017157	January 2000	Garfinkle et al.	396/639

ART-UNIT: 281

PRIMARY-EXAMINER: Matthews; Alan A.

ASSISTANT-EXAMINER: Mahoney; C.

ABSTRACT:

This invention is directed to a method of processing at least one digital image of at least one photographic image and distributing at least one visual print produced from the at least one digital image. The method includes the steps of storing at least one digital image of at least one photographic image on at least one image server at a first location. Selective authorized access to the at least one digital image of the at least one photographic image from a second location is then facilitated. Orders are received for at least one visual print of the at least one photographic image from the second location. Based upon the orders at least one visual image is produced from the stored digital image at the first location in response to the at least one order.

29 Claims, 20 Drawing figures

WEST

☐   Generate Collection   Print

L26: Entry 1 of 2   File: USPT   May 1, 2001

US-PAT-NO: 6224048
DOCUMENT-IDENTIFIER: US 6224048 B1

TITLE: Mixed format document finishing system responsive to a single page having an encoded document assembly specification

DATE-ISSUED: May 1, 2001

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Motamed; Margaret	Foster City	CA		

ASSIGNEE-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Electronics for Imaging, Inc.	Foster City	CA			02

APPL-NO: 09/ 008895   [PALM]
DATE FILED: January 20, 1998

INT-CL: [07] B41 F 13/54

US-CL-ISSUED: 270/52.02; 270/52.16, 270/52.29, 270/1.02, 270/1.03
US-CL-CURRENT: 270/52.02; 270/1.02, 270/1.03, 270/52.16, 270/52.29

FIELD-OF-SEARCH: 270/52.02, 270/1.02, 270/1.03, 270/1.01, 270/52.29, 270/58.03, 270/52.16, 270/58.05, 270/52.05

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected   Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	3804005	April 1974	Burger et al.	270/52.02 X
☐	3917252	November 1975	Harder et al.	270/52.05
☐	3966186	June 1976	Helm	270/52.02
☐	4499834	February 1985	Ruetschle et al.	270/58.03
☐	4602776	July 1986	York et al.	271/303 X
☐	4989852	February 1991	Gunther, Jr. et al.	270/56
☐	5013022	May 1991	Graushar	270/52.02 X
☐	5186443	February 1993	Manley et al.	270/1.1
☐	5461469	October 1995	Farrell et al.	270/58.08
☐	5489091	February 1996	Greer et al.	270/52.02 X
☐	5489969	February 1996	Soler et al.	355/207
☐	5547178	August 1996	Costello	270/52.02
☐	5655759	August 1997	Perkins et al.	270/52.02 X
☐	5826869	October 1998	Nyffenegger et al.	270/52.02 X

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2935827	March 1981	DE	
439257A2	July 1991	EP	

ART-UNIT: 361

PRIMARY-EXAMINER: Ellis; Christopher P.

ASSISTANT-EXAMINER: Mackey; Patrick

ABSTRACT:

A hybrid mixed format document that contains document portions prepared by different
format sources, such as both black and white and colored pages, prepared by
separately printing the colored pages on a color printer, and the black and white
pages on a black and white printer. The two document portions are then put in
separate locations within a mixed format finishing device. One of the document
portions, for example the black and white document portion, includes a cover sheet
that provides encoded information, which tells the finishing device how to merge the
two document portions into a complete publication. One advantage of the mixed format
finishing device is that those pages that contain only text may be printed on a
faster, and less costly black and white printer. In a preferred embodiment, the
cover sheet controls the document merging process in such a manner that if one
document is misprinted or mismerged, the mismerged document may be shuttled aside
and merging may continue with the next complete document set.

22 Claims, 8 Drawing figures

WEST

☐ | Generate Collection | | Print |

L27: Entry 1 of 2   File: USPT   May 1, 2001

US-PAT-NO: 6226788
DOCUMENT-IDENTIFIER: US 6226788 B1

TITLE: Extensible network management system

DATE-ISSUED: May 1, 2001

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Schoening; Charles B.	Guttenberg	NJ		
Smith, Jr.; Richard J.	Danville	CA		
Schleimer; Stephen I.	San Jose	CA		

ASSIGNEE-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cisco Technology, Inc.	San Jose	CA			02

APPL-NO: 09/ 121260   [PALM]
DATE FILED: July 22, 1998

INT-CL: [07] G06 F 9/45

US-CL-ISSUED: 717/6; 717/6, 717/11, 709/203
US-CL-CURRENT: 717/107; 709/203, 717/108

FIELD-OF-SEARCH: 717/6, 717/10, 717/11, 717/9, 709/203, 709/212, 709/217, 709/223, 709/229, 709/250

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5202985	April 1993	Goyal	707/4
☐	5355238	October 1994	Kight et al.	359/135
☐	5392400	February 1995	Berkowitz et al.`	709/203
☐	5444850	August 1995	Chang	709/222
☐	5455950	October 1995	Vasseur et al.	709/212
☐	5522044	May 1996	Pascucci et al.	709/222
☐	5537533	July 1996	Staheli et al.	714/5
☐	5715373	February 1998	Desgrousilliers et al.	706/47
☐	5734907	March 1998	Jarossay et al.	717/8
☐	5778184	July 1998	Brownmiller et al.	709/224
☐	5905715	May 1999	Azarmi et al.	370/244
☐	5913028	June 1999	Wang et al.	709/203
☐	5978578	May 1999	Azarya et al.	717/1
☐	6041347	March 2000	Harsham et al.	709/220
☐	6134581	October 2000	Ismael et al.	709/202

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Bellavista et al, "An integrated management environment for network resources and services", IEEE, vol. 18, No. 5, pp 676-685, May 2000.*

Jiao et al, "Toward efficient monitoring", IEEE, vol. 18, No. 5, pp 723-732, May 2000.*

Brunner et al, "Service management in multiparty active network", IEEE, pp 144-151, Mar. 2000.*

Raz et al, "Active networks for efficient distributed network management", IEEE, pp 138-143, Mar. 2000.*

Wijate et al, "A scalable agent based network measurement infrastructure", IEEE, pp 174-183, May 2000.*

Chung et al, "AUtomatic subject indexing using an associative neural network", ACM DL, pp 59-68, Mar. 1998.*

Enfield, "Development of the AT&T personal link service on line documentation", ACM DOC, pp39-48, Aug. 1995.

ART-UNIT: 212

PRIMARY-EXAMINER: Lintz; Paul R.

ASSISTANT-EXAMINER: Khatri; Anil

ABSTRACT:

In a network management system, a method and apparatus for preparing a computer program for execution in relation to a particular network device among a plurality of network devices having a plurality of device types is provided. Each network device is associated with a device type value, and each network device has an associated device mapper. The device mappers are stored in a hierarchical structure that reflects a functional relationship or family relationship of the devices. Functions to be carried out by one or more devices are expressed as a plurality of executable program components. Preferably, each executable program component has one or more classes that define executable functions. Each device mapper associates a device type value with one or more overridden classes in the executable program components and one or more overriding classes. At runtime, device type values are acquired for each device in the managed network. For each device type, one or more functions are assembled using only the executable program components associated with that device type. Based on the device mapper of that device type, classes in the executable program components are overridden and the overriding classes are substituted. As a result, at runtime the network management system integrates into itself executable program components for new devices.

44 Claims, 36 Drawing figures

WEST

☐   Generate Collection | Print

L28: Entry 1 of 2   File: USPT   Nov 20, 2001

US-PAT-NO: 6320671
DOCUMENT-IDENTIFIER: US 6320671 B1

TITLE: Web browser printing enhancements

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kelley; Edward E.	Wappingers Fall	NY		
Dauerer; Norman J.	Hopewell Junction	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY			02

APPL-NO: 09/ 079552   [PALM]
DATE FILED: May 15, 1998

INT-CL: [07] B41 B 15/00, H04 N 1/40, H04 N 1/32

US-CL-ISSUED: 358/1.18; 358/1.17, 358/448, 358/468, 382/219, 382/221, 382/222, 707/101, 707/517, 707/523, 707/526
US-CL-CURRENT: 358/1.18; 358/1.17, 358/448, 358/468, 382/219, 382/221, 382/222, 707/101, 715/517, 715/523, 715/526

FIELD-OF-SEARCH: 358/1.18, 358/1.17, 358/468, 358/448, 358/444, 382/219, 382/221, 382/222, 707/517, 707/101, 707/523, 707/526

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4763356	August 1988	Day, Jr. et al.	
☐	5530759	June 1996	Braudaway et al.	
☐	5647056	July 1997	Barrett et al.	
☐	6061700	May 2000	Brobst et al.	707/517

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IBM Technical Disclosure Bulletin,, "Temporary Global Passwords", Viol, 36, No, 03, Mar. 1993; pp. 451-453.
IBM Technical Disclosure Bulletin, "Resource Access Control Facility Password Propagation for Multiple Virtual Storage", vol. 36, No. 06B, Jun. 1993; pp. 419-420.

IBM Technical Disclosure Bulletin, "Network Signon Coordination Configuration", vol. 36, No. 12, Dec. 1992; pp. 389-396.
Canon Intternet Web Page, Put the Power of He Web Inprint,

www.ccsi.canon.com./webrecor⬤ Apr. 24, 1997.

ART-UNIT: 262

PRIMARY-EXAMINER: Coles; Edward

ASSISTANT-EXAMINER: Lamb; Twyler

ABSTRACT:

A method and system for printing web pages from an intra- or internet source with a client computer. The client computer is capable of accessing and viewing a web page from an intra- or internet source and has access to a program storage. The program storage device includes (i) an HTML source file containing a list of printable web pages and (ii) a program of instructions executable by the computer at a predetermined, modifiable time to print web pages from the intra- or internet source with the client computer. The program selects one or more of the printable web pages from the HTML source file, accesses the web pages selected from the HTML source file, and prints the accessed web pages. The printable web pages may be accessed on different levels of hierarchy in HTML files. The storage device also contains a plurality of different lists of printable web pages and a menu of each of the lists, whereby the method includes selecting from the menu a desired list and providing an HTML source file containing the desired list of printable web pages.

22 Claims, 5 Drawing figures

WEST

☐ | Generate Collection | | Print |

L29: Entry 1 of 2   File: USPT   Dec 18, 2001

US-PAT-NO: 6332146
DOCUMENT-IDENTIFIER: US 6332146 B1

TITLE: Method and apparatus for storing and printing digital images

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jebens; John H.	Tierra Verde	FL		
James; Jeffrey Scott	Bettendorf	IA		
Carlson; Lowell D.	Moline	IL		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Marshall, O'Toole, Gerstein, Murray & Borun	Chicago	IL			02

APPL-NO: 09/ 619188   [PALM]
DATE FILED: July 19, 2000

PARENT-CASE:
This is a Continuation of U.S. application Ser. No. 08/908,046, filed Aug. 11, 1997.

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/104; 707/3, 707/10, 707/102, 705/26, 705/27, 345/428
US-CL-CURRENT: 707/104.1; 345/428, 705/26, 705/27, 707/10, 707/102, 707/3

FIELD-OF-SEARCH: 707/3, 707/10, 707/102, 707/104, 707/530, 705/27, 705/33, 705/42, 705/26, 345/132, 345/302, 345/418, 345/428, 382/284, 382/276, 382/249, 386/124, 355/40, 355/70, 396/639

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4495582	January 1985	Dessert et al.	700/124
☐	4688181	August 1987	Cottrell et al.	345/428
☐	4799156	January 1989	Shavit et al.	705/26
☐	4933880	June 1990	Borgendale et al.	707/515
☐	4956769	September 1990	Smith	707/9
☐	4992940	February 1991	Dworkin	705/26
☐	5065447	November 1991	Barnsley et al.	382/249
☐	5144556	September 1992	Wang et al.	707/9
☐	5153936	October 1992	Morris et al.	345/428
☐	5263157	November 1993	Janis	707/9
☐	5276901	January 1994	Howell et al.	707/9
☐	5315693	May 1994	Hirosawa	345/428
☐	5319401	June 1994	Hicks	354/76
☐	5319543	June 1994	Wihhelm	705/3
☐	5414811	May 1995	Parluski et al.	345/501
☐	5426594	June 1995	Wright et al.	709/206
☐	5440401	August 1995	Parulski et al.	386/124
☐	5463555	October 1995	Ward et al.	700/96
☐	5469353	November 1995	Pinsky et al.	382/131
☐	5493677	February 1996	Balogh et al.	707/104
☐	5539906	July 1996	Abraham et al.	707/9
☐	5553281	September 1996	Brown et al.	707/104
☐	5581749	December 1996	Hossain et al.	707/10
☐	5584022	December 1996	Kikuchi et al.	707/9
☐	5606365	February 1997	Maurinus et al.	348/222
☐	5625776	April 1997	Johnson	705/27
☐	5630125	May 1997	Zellweger	707/103
☐	5666215	September 1997	Fredlund et al.	358/487
☐	5696901	December 1997	Konrad	709/203
☐	5784461	July 1998	Shaffer et al.	705/51
☐	5845263	November 1999	Camaisa et al.	705/27
☐	5852435	December 1998	Vigneaux et al.	345/302
☐	5875268	February 1999	Miyake	382/276
☐	5978804	November 1999	Dietzman	707/10
☐	6017157	January 2000	Garfinkle et al.	396/639
☐	6154755	November 2000	Dellert et al.	707/526

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Handling: Archiving, Retrieval, Etc.," (Includes A Related Article On Companies
Offering Newspapers Pre-Made Comic Pages), Seybold Report on Publishing Systems,
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on-line photos and cards from Konica and American Greetings), Drug Store News, vol.
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"Plaza Create enjoys first rise in four days", Tokyo and Osaka Stock Markets, Nikkei
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Brochure: Media Bank, The Power of Digital Asset Management by Archetype.
Brochure: Media Assets 1.6 by Media Way.
Brochure: Job Manager, Information Management System for the Graphic Arts Industry
by Meta Communications.
Brochure: Telescope, Client Server Media Management Database by North Plains
Systems, Inc.
Brochure: Luminous Media Manager by Luminous Technology Systems, Inc.
Brochure: Luminous Media Manager Background by Luminous Technology Systems, Inc.
Brochure: Destiny, Focusing the Power of Your Digital Information by Centillion
Digital Systems.
Brochure: DAX, File Transfer by Digital Art Exchange, Inc.
Brochure: DAX Database Access by Digital Art Exchange, Inc.
Brochure: DAX, Remote Proofing by Digital Art Exchange, Inc.
Brochure: DAX, Computer-to-Plate by Digital Art Exchange, Inc.
Brochure: DAX, Interactive Mark-up by Digital Art Exchange, Inc.
Brochure: Digital Art Exchange, The Connectivity Solution by Digital Art Exchange,

Inc.
Brochure: Cascade MediaSphere W3 by Cascade Systems, Inc.
Brochure: Cascade DataFlow by Cascade Systems, Inc.
Brochure: Cascade Product Overview by Cascade Systems, Inc.
Brochure: Cumulus Media Management System 3., by Canto.
Brochure: Hynet Digital Library System, Version 1.5 by Hynet Technologies.
Brochure: Galerie, Media Asset Management by Dalim.
Brochure: Dalim, Twist by Dalim.
Brochure: Cascade MediaSphere by Cascade Systems, Inc.
Brochure: Luminous PrintersWeb by Luminous Technology Corporation.

ART-UNIT: 212

PRIMARY-EXAMINER: Alam; Hosain T.

ASSISTANT-EXAMINER: Colbert; Ella

ABSTRACT:

A digital data management and order delivery system is provided. The system includes
a storage device for storing digital data and a searching engine for developing a
subset of the digital data stored in the storage device in response to inputs
received from a first user. The system is also provided with a job order developer
responsive to inputs received from the first user for developing a job order which
includes: a) at least one copy of the digital data contained in the subset and
identified by the first user; and b) a file containing information developed by the
first user outside the system. In addition, the system includes a router for
electronically routing the job order compiled by the job order developer to a second
user specified by the first user.

25 Claims, 27 Drawing figures

WEST

L30: Entry 1 of 2   File: USPT   Feb 5, 2002

US-PAT-NO: 6345288
DOCUMENT-IDENTIFIER: US 6345288 B1

TITLE: Computer-based communication system and method using metadata defining a
control-structure

DATE-ISSUED: February 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reed; Drummond Shattuck	Seattle	WA		
Heymann; Peter Earnshaw	Seattle	WA		
Mushero; Steven Mark	Seattle	WA		
Jones; Kevin Benard	Seattle	WA		
Oberlander; Jeffrey Todd	Seattle	WA		
Banay; Dan	Seattle	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
OneName Corporation	Seattle	WA			02

APPL-NO: 09/ 570675   [PALM]
DATE FILED: May 15, 2000

PARENT-CASE:
This application is a continuation-in-part of application Ser. No. 08/609,115, filed
Feb. 29, 1996, now U.S. Pat. No. 6,044,205 and continuation of application Ser. No.
09/143,888, filed Aug. 31, 1998, now U.S. Pat. No. 6,088,717.

INT-CL: [07] G06 F 15/15, G06 F 13/30

US-CL-ISSUED: 709/201; 709/200, 709/203, 709/212, 709/216, 709/227, 709/229, 707/1,
707/10, 707/102, 707/104
US-CL-CURRENT: 709/201; 707/1, 707/10, 707/102, 707/104.1, 709/200, 709/203,
709/212, 709/216, 709/227, 709/229

FIELD-OF-SEARCH: 709/200-203, 709/212, 709/216-219, 709/227-229, 709/232, 709/242,
709/244, 707/1, 707/9-10, 707/100-104, 707/200-204

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐ 4888726	December 1989	Struger et al.	709/201
☐ 5167035	November 1992	Mann et al.	714/4
☐ 5701484	December 1997	Artsy	709/202
☐ 5878225	March 1999	Bilansky et al.	709/227
☐ 6044205	March 2000	Reed et al.	709/201

ART-UNIT: 2154

PRIMARY-EXAMINER: Maung; Zarni

ASSISTANT-EXAMINER: Barot; Bharat

ABSTRACT:

An automated communications system operates to transfer data, metadata and methods
from a provider computer to a consumer computer through a communications network.
The transferred information controls the communications relationship, including
responses by the consumer computer, updating of information, and processes for
future communications. Information which changes in the provider computer is
automatically updated in the consumer computer through the communications system in
order to maintain continuity of the relationship. Transfer of metadata and methods
permits intelligent processing of information by the consumer computer and combined
control by the provider and consumer of the types and content of information
subsequently transferred. Object oriented processing is used for storage and
transfer of information. The use of metadata and methods further allows for
automating may of the actions underlying the communications, including communication
acknowledgements and archiving of information. Service objects and partner servers
provide specialized data, metadata, and methods to providers and consumers to
automate many common communications services and transactions useful to both
providers and consumers. A combination of the provider and consumer programs and
databases allows for additional functionality, including coordination of multiple
users for a single database.

19 Claims, 58 Drawing figures

WEST

☐ | Generate Collection | Print

L31: Entry 1 of 2   File: USPT   Jul 2, 2002

US-PAT-NO: 6415277
DOCUMENT-IDENTIFIER: US 6415277 B1

TITLE: Method of generating print production tasks using information extracted from enterprise databases

DATE-ISSUED: July 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klatt; Cory	Edmonds	WA		
Krum; Brent	Redmond	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
ImageX, Inc.	Bellevue	WA			02

APPL-NO: 09/ 479668   [PALM]
DATE FILED: January 10, 2000

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATION This application is related in subject matter to co-pending U.S. application Ser. No. 09/460,307 now pending; entitled "System and File Structure for Consistent Visual Medium Materials," which was filed on Dec. 13, 1999. That application is incorporated by reference herein.

INT-CL: [07] G06 F 17/30, G06 F 19/00, G06 F 17/00, G06 F 15/16

US-CL-ISSUED: 707/1; 707/104, 707/10, 700/95, 700/233, 709/224
US-CL-CURRENT: 707/1; 700/233, 700/95, 707/10, 709/224

FIELD-OF-SEARCH: 707/1, 707/104, 707/10, 700/95, 700/233, 709/224

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | Search ALL |

	PAT-NO	ISSUE-DATE	●	PATENTEE-NAME	●	US-CL
☐	4817043	March 1989		Brown		364/518
☐	4873643	October 1989		Powell et al.		364/468
☐	5036472	July 1991		Buckley et al.		364/479
☐	5056029	October 1991		Cannon		364/468
☐	5343556	August 1994		Silverberg		395/111
☐	5552994	September 1996		Cannon et al.		700/95
☐	5561604	October 1996		Buckley et al.		364/479.05
☐	5563999	October 1996		Yaksich et al.		395/149
☐	5579447	November 1996		Salgado		395/109
☐	5748484	May 1998		Cannon et al.		364/468.1
☐	5778367	July 1998		Wesinger, Jr. et al.		707/10
☐	5844554	December 1998		Geller et al.		345/333
☐	6133985	October 2000		Garfinkle et al.		355/40

ART-UNIT: 2771

PRIMARY-EXAMINER: Coby; Frantz

ABSTRACT:

Information stored in a corporate database is monitored and used to determine when
certain business-related events have occurred. Event information is transmitted over
the Internet to a print production facility, where it is used to fire one or more
event rules, which in turn automatically generate print requisitions or print
production orders. In one variation, print requisitions are routed through an
existing and commercially available procurement system before a print production
order is generated. The system can monitor and handle events from multiple
corporations, each having its own business-related event rules, and each potentially
having its own procurement approval system.

29 Claims, 15 Drawing figures

WEST

☐ | Generate Collection | | Print |

L32: Entry 1 of 2   File: USPT   Aug 6, 2002

US-PAT-NO: 6429947
DOCUMENT-IDENTIFIER: US 6429947 B1

TITLE: Automated, hosted prepress application

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Laverty; Timothy A.	Seattle	WA		
Klatt; Cory E.	Edmunds	WA		
Krum; Brent A.	Redmond	WA		
Roy; Larry G.	Bothell	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
ImageX, Inc.	Kirkland	WA			02

APPL-NO: 09/ 480866   [PALM]
DATE FILED: January 10, 2000

PARENT-CASE:
This application is related to U.S. patent applications Ser. Nos. 09/480,185,
09/480,332, 09/480,333, 09/480,334, 09/480,335, 09/480,645, 09/480,820, 09/480,821,
09/480,869, 09,480,881, 09/480,980, 09/480,987, 09/481,007, 09/481,010, 09/481,372
and 09/481,550, filed on the same date herewith, which are hereby incorporated by
reference. This application is also related to U.S. patent application Ser. No.
09/460,307 filed on Dec. 13, 1999, entitled "System and File Structure for
Consistent Visual Medium Materials."

INT-CL: [07] G06 K 15/00

US-CL-ISSUED: 358/1.15; 358/1.9
US-CL-CURRENT: 358/1.15; 358/1.9

FIELD-OF-SEARCH: 358/1.15, 358/1.13, 358/1.14, 358/1.18, 358/1.16, 358/1.1, 358/1.9,
358/1.17, 358/1.11, 358/1.6, 358/1.4, 358/1.3, 358/1.2, 358/407, 358/468,
358/500-501, 707/500, 707/505, 707/506, 707/507, 707/517, 707/527, 707/528, 707/911,
382/162, 382/167

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5029115	July 1991	Geraci	364/523
☐	5113356	May 1992	Nickell et al.	358/1.8
☐	5581667	December 1996	Bloomberg	358/1.9
☐	5625766	April 1997	Kauffman	395/35
☐	5666543	September 1997	Gartland	395/788
☐	5713032	January 1998	Spencer	395/777
☐	5761392	June 1998	Yacoub et al.	357/1.9
☐	5848415	December 1998	Guck	707/10
☐	5911776	June 1999	Guck	709/217
☐	5988899	November 1999	Benson et al.	400/61
☐	6011905	January 2000	Huttenlocher et al.	358/1.2
☐	6012070	January 2000	Cheng et al.	707/505
☐	6049390	April 2000	Notredame et al.	358/1.15
☐	6055064	April 2000	Lifshitz et al.	358/1.9
☐	6088710	July 2000	Dreyer et al.	707/517
☐	6205452	March 2001	Warmus et al.	707/500
☐	6229623	May 2001	VerMurlen	358/1.9

ART-UNIT: 2624

PRIMARY-EXAMINER: Popovici; Dov

ABSTRACT:

An on-line automated printing system quickly produces consistent printed materials. The system includes front-end customer setup and product setup modules available on a web server. A Print Ready File is produced embodying the product to be printed. The Print Ready File is compiled and all operations on the file can be completed via reference to the information contained therein. A state flag is associated with each element of the file, the flag having states such as preview, print, both, or none. The file is stored on an asset management file server. The file (unchanged) may be previewed or printed using internal flags and logic built-in to the PostScript language. A batcher service batches print jobs. A plater service accepts the Print Ready Files and outputs a plate file to a print vendor's ordering system. Over the Internet the plate file is sent to a vendor computer. The plate file is sent to a raster image processor (RIP) which outputs a bitmap to be printed. Included within the system are any number of hosted prepress applications, each a subsystem. A client application requests processing of a file by one of the subsystems. The client sends the parameters along with input and output files to a master service. The master service selects a lower-level service for conversion. A prepress application module (with hardcoded parameters) processes the file and outputs the result.

6 Claims, 41 Drawing figures

WEST

☐ | Generate Collection | | Print |

L33: Entry 1 of 2   File: USPT   Oct 15, 2002

US-PAT-NO: 6466326
DOCUMENT-IDENTIFIER: US 6466326 B1

TITLE: Printer and printing method

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Shima; Toshihiro	Nagano			JP

ASSIGNEE-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Seiko Epson Corporation	Tokyo			JP	03

APPL-NO: 09/ 389094   [PALM]
DATE FILED: September 2, 1999

FOREIGN-APPL-PRIORITY-DATA:
COUNTRY	APPL-NO	APPL-DATE
JP	10-254365	September 8, 1998

INT-CL: [07] G06 K 15/00

US-CL-ISSUED: 358/1.12; 358/1.13
US-CL-CURRENT: 358/1.12; 358/1.13

FIELD-OF-SEARCH: 358/1.1, 358/1.12, 358/1.15, 358/1.16, 358/498, 710/8, 710/14, 710/16, 710/19, 399/8, 399/9, 399/10, 399/12, 399/18, 399/19, 399/361, 399/364, 101/2

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4829468	May 1989	Nonaka et al.	
☐	5047955	September 1991	Shope et al.	
☐	6141109	October 2000	Yoshida	358/1.12
☐	6330067	December 2001	Murata	358/1.12

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
8-292855	November 1996	JP	
10-138575	May 1998	JP	
10-187377	July 1998	JP	
11-198488	July 1999	JP	

ART-UNIT: 2622

PRIMARY-EXAMINER: Evans; Arthur G.

ABSTRACT:

Print requests issued by an interpretation section 13 are stored in an execution or
wait queue of a storage section 21 by way of a print request receiving section 22.
The print requests stored in the execution queue are input to an engine control
section 15. When a report of completion of printing is issued by the engine control
section 15, the print requests for which printing has been performed are deleted
from the execution queue. In a case where collation printing is specified for the
print requests, the print requests for which printing has been performed are
transferred from the execution queue to the collation queue and stored therein.
Every time one copy of the print job is completed, the print requests stored in the
collation queue are again transferred to the execution queue. Collation printing
can-be embodied by transfer of the print requests between the execution queue and
the collation queue.

14 Claims, 22 Drawing figures

WEST

☐ | Generate Collection | | Print |

L34: Entry 1 of 2   File: USPT   Oct 29, 2002

US-PAT-NO: 6473760
DOCUMENT-IDENTIFIER: US 6473760 B1

TITLE: Apparatus for printing information automatically combined from two different sources

DATE-ISSUED: October 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klatt; Cory	Edmonds	WA		
Krum; Brent	Redmond	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
ImageX, Inc.	Bellevue	WA			02

APPL-NO: 09/ 479909   [PALM]
DATE FILED: January 10, 2000

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATION This application is a continuation and is related in subject matter to co-pending U.S. application Ser. No. 09/460,307 now pending, entitled "System and File Structure for Consistent Visual Medium Materials," which was filed on Dec. 13, 1999. That application is incorporated by reference herein.

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/10; 707/200, 707/203, 707/205, 270/52.02, 395/200.32
US-CL-CURRENT: 707/10; 270/52.02, 707/200, 707/203, 707/205

FIELD-OF-SEARCH: 707/10, 707/200, 707/203, 707/205, 395/200.32, 270/52.02

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5547178	August 1996	Costello	270/52.02
☐	5563999	October 1996	Yaksich et al.	707/507
☐	5709374	January 1998	Taylor et al.	270/1.02
☐	5793964	August 1998	Rogers et al.	395/200.32
☐	5844554	December 1998	Geller et al.	345/744
☐	6224048	May 2001	Motamed	270/52.02

OTHER PUBLICATIONS

International Search Report.

ART-UNIT: 2175

PRIMARY-EXAMINER: Rones; Charles L.

ASSISTANT-EXAMINER: Pardo; Thuy

ABSTRACT:

Information stored in a corporate database is monitored and used to determine when
certain business-related events have occurred. Event information is transmitted over
the Internet to a print production facility, where it is used to fire one or more
event rules, which in turn automatically generate print requisitions or print
production orders. In one variation, print requisitions are routed through an
existing and commercially available procurement system before a print production
order is generated. The system can monitor and handle events from multiple
corporations, each having its own business-related event rules, and each potentially
having its own procurement approval system.

14 Claims, 15 Drawing figures